

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\  
 Data File : VU032845.D  
 Acq On : 19 Jun 2019 09:55  
 Operator : JC/SP  
 Sample : K3413-26  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALH2

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
 Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.203       | 29            | 35          | 47           | rVB      | 35709          | 34032         | 3.96%           | 0.323%        |
| 2         | 1.293       | 57            | 63          | 68           | rBV      | 19453          | 19125         | 2.23%           | 0.182%        |
| 3         | 1.325       | 68            | 73          | 85           | rVB      | 93563          | 96448         | 11.24%          | 0.916%        |
| 4         | 1.399       | 88            | 96          | 107          | rBV2     | 107352         | 117334        | 13.67%          | 1.114%        |
| 5         | 1.560       | 135           | 146         | 153          | rVV4     | 11316          | 18125         | 2.11%           | 0.172%        |
| 6         | 1.621       | 157           | 165         | 174          | rBV      | 63106          | 76828         | 8.95%           | 0.729%        |
| 7         | 1.675       | 175           | 182         | 184          | rVV      | 40185          | 43010         | 5.01%           | 0.408%        |
| 8         | 1.691       | 185           | 187         | 197          | rVB      | 47297          | 47802         | 5.57%           | 0.454%        |
| 9         | 1.881       | 236           | 246         | 260          | rBV      | 202941         | 281462        | 32.79%          | 2.672%        |
| 10        | 2.277       | 356           | 369         | 393          | rBV5     | 248464         | 462443        | 53.88%          | 4.391%        |
| 11        | 2.691       | 487           | 498         | 513          | rVB      | 64260          | 109550        | 12.76%          | 1.040%        |
| 12        | 2.833       | 529           | 542         | 557          | rBV2     | 14634          | 31515         | 3.67%           | 0.299%        |
| 13        | 2.977       | 574           | 587         | 615          | rVB2     | 154482         | 451160        | 52.56%          | 4.283%        |
| 14        | 4.212       | 946           | 971         | 1001         | rBV3     | 119346         | 438645        | 51.10%          | 4.165%        |
| 15        | 4.540       | 1059          | 1073        | 1088         | rVB2     | 23313          | 52077         | 6.07%           | 0.494%        |
| 16        | 4.653       | 1088          | 1108        | 1130         | rBV5     | 95491          | 316325        | 36.85%          | 3.003%        |
| 17        | 4.903       | 1168          | 1186        | 1204         | rBV2     | 85017          | 205008        | 23.88%          | 1.946%        |
| 18        | 5.122       | 1237          | 1254        | 1275         | rVB2     | 82404          | 189863        | 22.12%          | 1.803%        |
| 19        | 5.331       | 1296          | 1319        | 1331         | rBV2     | 125017         | 346431        | 40.36%          | 3.289%        |
| 20        | 5.399       | 1331          | 1340        | 1360         | rVB      | 56841          | 117101        | 13.64%          | 1.112%        |
| 21        | 5.878       | 1474          | 1489        | 1510         | rBV      | 127174         | 249613        | 29.08%          | 2.370%        |
| 22        | 6.177       | 1567          | 1582        | 1607         | rBV      | 202152         | 393112        | 45.80%          | 3.732%        |
| 23        | 6.325       | 1614          | 1628        | 1644         | rBV      | 84327          | 168091        | 19.58%          | 1.596%        |
| 24        | 6.427       | 1647          | 1660        | 1677         | rVB      | 106367         | 207077        | 24.13%          | 1.966%        |
| 25        | 6.749       | 1748          | 1760        | 1777         | rBV2     | 32047          | 59619         | 6.95%           | 0.566%        |
| 26        | 7.222       | 1896          | 1907        | 1914         | rBV      | 47320          | 81846         | 9.54%           | 0.777%        |
| 27        | 7.263       | 1914          | 1920        | 1935         | rVB2     | 37873          | 66266         | 7.72%           | 0.629%        |
| 28        | 7.559       | 1998          | 2012        | 2024         | rBV      | 162536         | 280354        | 32.66%          | 2.662%        |
| 29        | 7.630       | 2024          | 2034        | 2055         | rVB      | 135099         | 234969        | 27.37%          | 2.231%        |
| 30        | 7.845       | 2091          | 2101        | 2120         | rBV2     | 29293          | 50786         | 5.92%           | 0.482%        |
| 31        | 8.061       | 2155          | 2168        | 2189         | rBV      | 158651         | 272078        | 31.70%          | 2.583%        |
| 32        | 8.218       | 2203          | 2217        | 2234         | rVB      | 161114         | 271436        | 31.62%          | 2.577%        |
| 33        | 8.308       | 2234          | 2245        | 2284         | rBV      | 230196         | 410389        | 47.81%          | 3.896%        |
| 34        | 8.469       | 2284          | 2295        | 2312         | rVB      | 82817          | 141673        | 16.51%          | 1.345%        |

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GALH2

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.1 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 8.624  | 2331 | 2343 | 2362 | rBV2 | 14059  | 29985  | 3.49%   | 0.285% |
| 36 | 9.083  | 2472 | 2486 | 2507 | rBV  | 189347 | 316179 | 36.84%  | 3.002% |
| 37 | 9.244  | 2521 | 2536 | 2558 | rBV  | 536371 | 858348 | 100.00% | 8.149% |
| 38 | 9.781  | 2688 | 2703 | 2729 | rBV5 | 233425 | 472429 | 55.04%  | 4.485% |
| 39 | 10.160 | 2808 | 2821 | 2846 | rBV  | 410166 | 648493 | 75.55%  | 6.157% |
| 40 | 10.447 | 2893 | 2910 | 2931 | rBV3 | 252958 | 524519 | 61.11%  | 4.980% |
| 41 | 11.141 | 3113 | 3126 | 3144 | rBV  | 261383 | 404068 | 47.08%  | 3.836% |
| 42 | 11.411 | 3199 | 3210 | 3220 | rBV  | 89822  | 145704 | 16.97%  | 1.383% |
| 43 | 11.476 | 3220 | 3230 | 3257 | rVB  | 213182 | 350320 | 40.81%  | 3.326% |
| 44 | 11.855 | 3335 | 3348 | 3374 | rBV3 | 201637 | 441031 | 51.38%  | 4.187% |

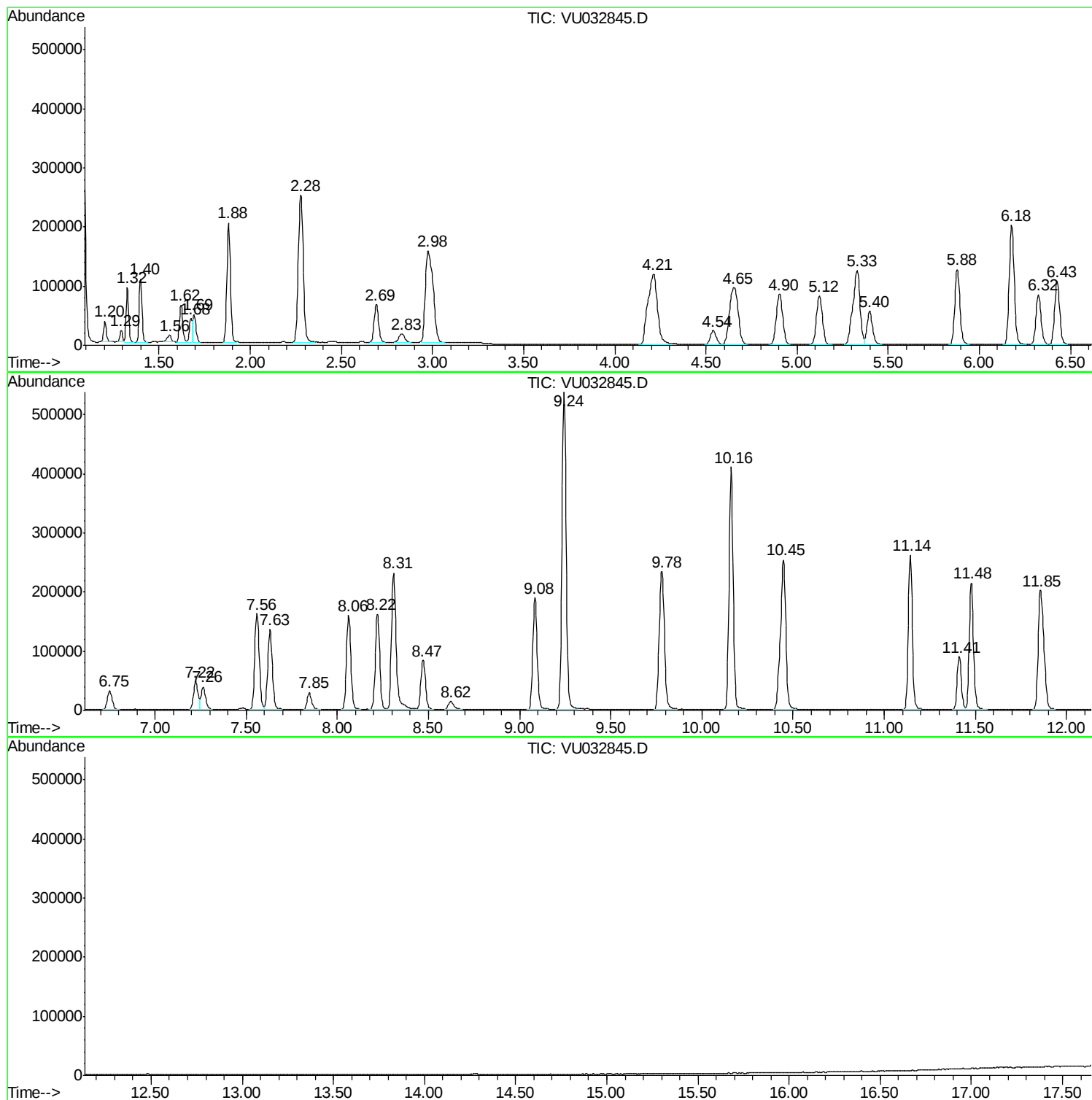
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Instrument :  
MSVOA\_U  
ClientSampleId :  
GALH2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Operator : JC/SP  
Sample : K3413-26  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GALH2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

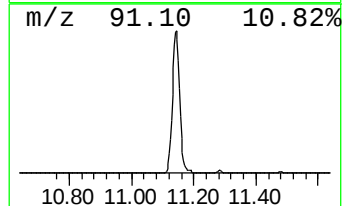
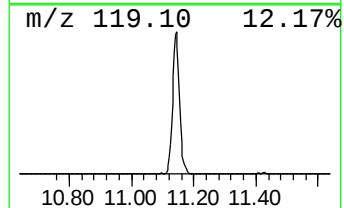
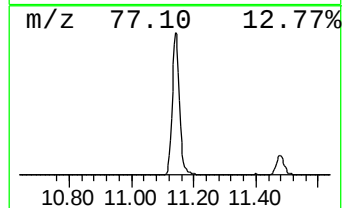
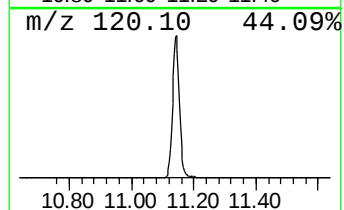
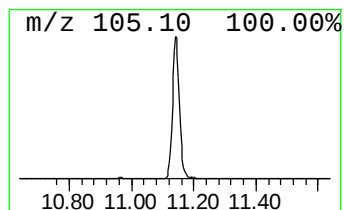
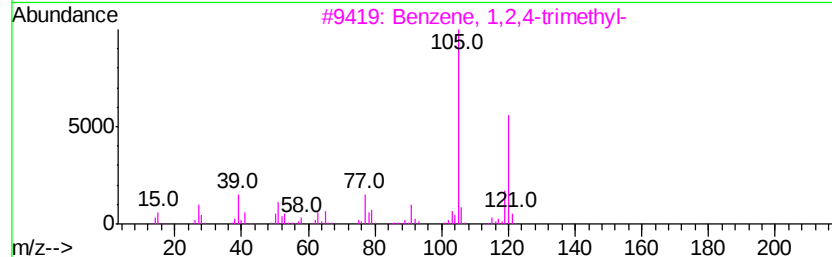
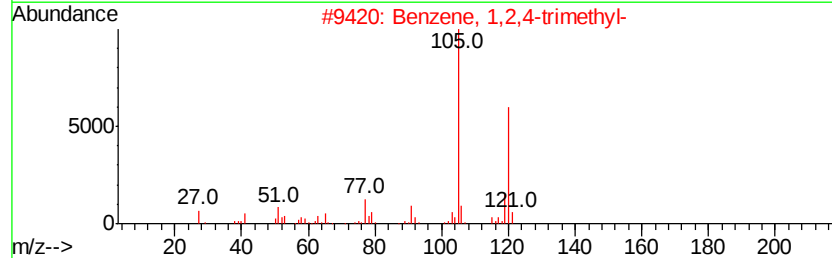
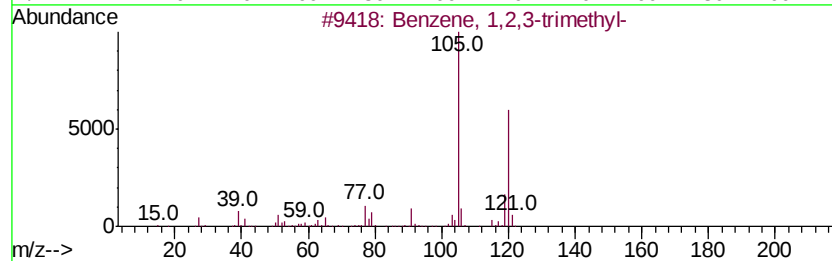
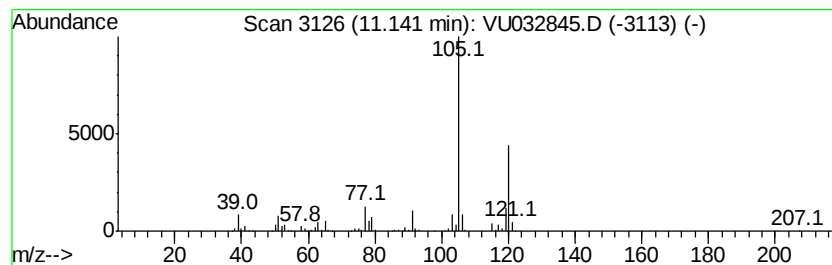
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.14 | 5.77 ug/L | 404068 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 95   |
| 3    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 95   |
| 4    |    |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 94   |
| 5    |    |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 94   |



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Instrument :  
MSVOA\_U  
ClientSampled :  
GALH2

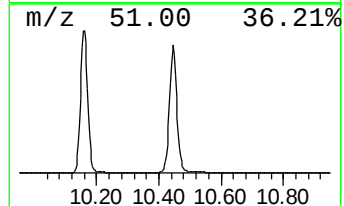
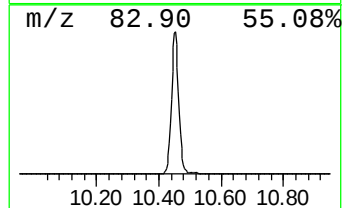
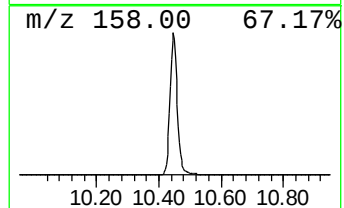
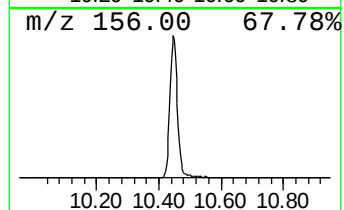
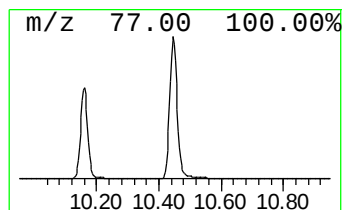
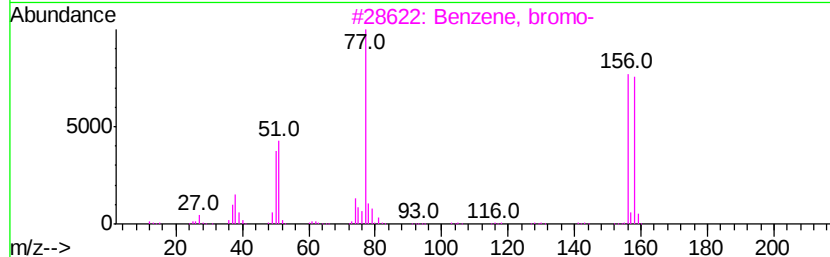
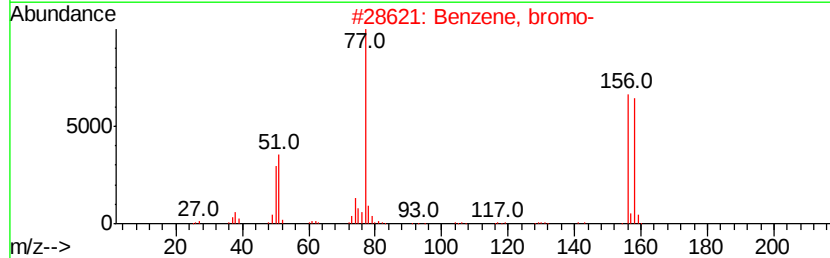
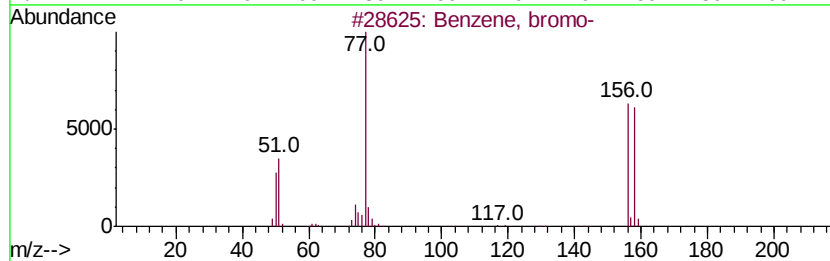
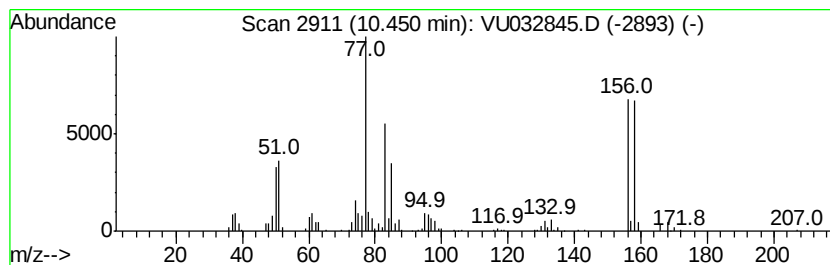
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, bromo- Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 10.45 | 7.49 ug/L | 524519 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# | of | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 2    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 3    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 91   |
| 4    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 86   |
| 5    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 70   |



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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Benzene, 1,2,4-tr... | 11.14 | 5.8     | ug/L  | 404068   | 3                     | 11.48 | 350320 | 5.0  |
| Benzene, bromo-      | 10.45 | 7.5     | ug/L  | 524519   | 3                     | 11.48 | 350320 | 5.0  |